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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/009,443	04/10/2002	Nouri Allahwerdi	4925-4925-192PUS	2401

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EXAMINER

LEE, CHI HO A

ART UNIT	PAPER NUMBER
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2616

DATE MAILED: 12/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/009,443

Applicant(s)

ALLAHWERDI, NOURI

Examiner

Andrew Lee

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-97 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-97 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1, 12, 37-39 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Re Claim 1, "configured" is optional language and lacks positive recitation.

Re Claims 12, 37-39, it is unclear what is meant by "at least partially comprises a wireless communication part". Applicant is requested to reference the specification so metes and bounds can be determined.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-6, 7-16, 18-20, 22-31, 37-72, 85-97 are rejected under 35 U.S.C. 102(e) as being anticipated by Lager et al U.S. Patent Number 6,636,502.

Re Claim 1, fig. 8 teaches a PLMN-SW (a network element) that includes interfaces and functions between PDN 2 corporate Network (a first IP based network) and GPRS (a second packet data network) wherein a first interface to the PDN 2

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supports IP protocol for receiving and sending signals to the Corporate Network (a private computer based network) whereby the PLMN-SW provides communication between a GPRS-MS (wireless capabilities) and PDN 2 when the GPRS-MS sends a NIP to the PLNS-SW, no signaling occurs externally to the Internet (See col. 11, lines 60 +) and further includes a second interface for communicating with the Interface.

Re Claim 2, refer to Claim 1, wherein the PLMN-SW supports tunneling protocol.

Re Claims 3, 85-97, refer to Claim 1, supports GTP, IP (See col. 6, lines 44-52).

Re Claims 4, 14, 23, 24, refer to Claim 1, wherein GPRS (a second network) supports GGSN and SGSN.

Re Claim 5, refer to Claim 1.

Re Claim 6, refer to Claim 1, wherein the interfaces communicates with the gateway element within the PLMN-SW.

Re Claim 8, See fig 8.

Re Claim 9, 10, wherein the PLMN-SW supports a border Gateway (See col. 4, lines 32-35).

Re Claim 11, refer to Claim 1, PLMN-SW supports VPN with the corporate Intranet.

Re Claims 12, 37-39, refer to Claim 1, wherein the Corporate Intranet extended to the GPRS-MS (at least partially).

Re Claim 13, Fig. 8 supports GSM standard.

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Re Claims 15, 40-45, See fig. 8, wherein the intra-PLMN backbone can be a corporate network extending the Corporate Intranet to the GPRS-MS (WIO) (See col. 4, lines 38-41).

Re Claims 16, 18, 19, 46-61, refer to Claim 1, wherein fig. 8 includes a HLR for registration and storing user configuration information.

Re Claims 20, 25-31, 62-72, refer to Claim 1, wherein the gateway function translate signaling protocols for compatibility.

Re Claim 22, refer to Claim 1.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 7, 17, 21, 32-36, 73-84 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lager et al U.S. Patent Number 6,636,502 in view of U.S. Patent Number 7,085,257.

Re Claims 7, 17, 32-36, Lager et al fails to teach LDAP protocol. However, '257 teaches a WLAN, analogous with the corporate Intranet, incorporating a LDAP to transmit information between a wireless terminal and a DSA server. One skilled in the art would have been motivated by '257 patent to incorporate LDAP protocol into the corporate Intranet to compatible with the known standard and function. Therefore, it would have been obvious to one ordinary skilled to combine the references.

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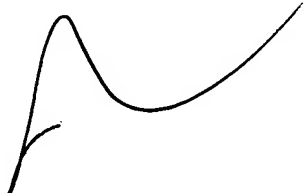
Re Claims 21, 73-84, Lager in view of '257 patent fails to explicitly teach a dual mode terminal. Examiner takes official notice that dual mode terminal are commercially available. One skilled in the art would have been motivated to use a dual mode terminal to be adaptive to different network systems.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 571-272-3130. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ANDREW C. LEE
PRIMARY PATENT EXAMINER

A handwritten signature in black ink, appearing to be 'A. Lee', written over the printed name of the examiner.